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*Admitted only in Maryland
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•Practice Limited to
Federal Agencies

November 17, 2003

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Art Unit: 1645

Re: U.S. Utility Patent Application
Appl. No. 10/622,087; Filed: July 18, 2003
For: **Amyloid β 1-6 Antigen Arrays**
Inventors: **Bachmann *et al.***
Our Ref: 1700.0350002/BJD/SJE

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Information Disclosure Statement;
2. Form PTO-1449 (130 sheets citing 437 documents);
3. 413 documents cited in Form PTO-1449 (exclusive of documents AA1 - AB3) attached; and
4. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
November 17, 2003
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in black ink, appearing to read "Brian J. Del Buono", with a large, sweeping flourish at the end.

Brian J. Del Buono
Attorney for Applicants
Registration No. 42,473

BJD/SJE/lam
Enclosures

SKGF_DC1:199747.1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

BACHMANN *et al.*

Appl. No. 10/622,087

Filed: July 18, 2003

For: **Amyloid β 1-6 Antigen Arrays**

Confirmation No. 5998

Art Unit: 1645

Examiner: *To be assigned*

Atty. Docket: 1700.0350002/BJD/SJE

Information Disclosure Statement

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. A copy of documents **AL1** to **AN5**, and **AR1** to **AT130** is provided.

Copies of documents **AA1** to **AB3** are not provided in accordance with the U.S. Patent and Trademark Office pre-OG notice of July 11, 2003, which states "[t]he Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003."

The Examiner is referred to the following list of related, co-pending patent applications:

U.S. Patent Application No. 10/289,454, filed November 7, 2002, inventors Bachmann *et al.*, Pub. No. 2003/0157479 A1, listed herewith as Document **AK2**;

U.S. Patent Application No. 10/050,898, filed January 18, 2002, inventors Renner *et al.*, Pub. No. 2003/0175711 A1, listed herewith as Document **AA3**;

U.S. Patent Application No. 10/050,902, filed January 18, 2002, inventors Renner *et al.*, Pub. No. 2003/0175290 A1, listed herewith as Document **AB3**;

U.S. Patent Application No. 10/264,267, filed October 4, 2002, inventor Bachmann, M, submitted herewith as Document **AR128**;

U.S. Patent Application No. 10/289,456, filed November 7, 2002, inventors Bachmann *et al.*, submitted herewith as Document **AS128**;

U.S. Patent Application No. 10/617,876, filed July 14, 2003, inventors Bachmann *et al.*, submitted herewith as Document **AT128**;

U.S. Patent Application No. 10/346,190, filed January 17, 2003, inventors Bachmann *et al.*, submitted herewith as Document **AR129**;

U.S. Patent Application No. 10/622,064, filed July 18, 2003, inventors Bachmann *et al.*, submitted herewith as Document **AS129**;

U.S. Patent Application No. 10/622,124, filed July 18, 2003, inventors Bachmann *et al.*, submitted herewith as Document **AT129**.

The identification of these U.S. Patent Applications is not to be construed as a waiver of secrecy as to these applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following, in regards to non-English language documents cited on Form PTO 1449:

Document **AP3**, WO 94/06472 A1, is in the French language. The relevance of Document **AP3** can be ascertained by reference to the English language abstract appearing therein, and an unverified English language abstract attached as Document **AR94**.

Document **AT37**, Kozlovskaya, T.M., *et al.*, "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," *Dokl. Akad. Nauk. SSSR* 287:452-455 (1986), is in the Russian language. An unverified English language abstract (from STNEasy/CAPplus) is attached as Document **AR38**.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

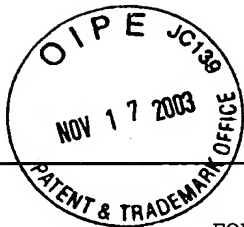
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Date: Nov. 17, 2003

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1700.0350002/BJD/SJEAPPLICATION NO.
10/622,087APPLICANT
BACHMANN *et al.*FILING DATE
July 18, 2003GROUP
1645**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA1	4,722,840	02/02/1988	Valenzuela <i>et al.</i>			09/19/1985
	AB1	5,071,651	12/10/1991	Sabara <i>et al.</i>			03/05/1990
	AC1	5,143,726	09/01/1992	Thornton <i>et al.</i>			11/20/1989
	AD1	5,334,394	08/02/1994	Kossovsky <i>et al.</i>			01/04/1993
	AE1	5,374,426	12/20/1994	Sabara <i>et al.</i>			10/30/1989
	AF1	5,580,859	12/03/1996	Felgner <i>et al.</i>			03/18/1994
	AG1	5,698,424	12/16/1997	Mastico <i>et al.</i>			01/03/1995
	AH1	5,739,026	04/14/1998	Garoff <i>et al.</i>			08/13/1992
	AI1	5,766,602	06/16/1998	Xiong <i>et al.</i>			01/19/1995
	AJ1	5,770,380	06/23/1998	Hamilton <i>et al.</i>			09/13/1996
	AK1	5,789,245	08/04/1998	Dubensky, Jr. <i>et al.</i>			10/30/1996

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL1	WO 92/11291 A1	07/09/1992	WIPO			Yes No
	AM1	WO 96/30523 A2	10/03/1996	WIPO			Yes No
	AN1	WO 97/31948 A1	09/04/1997	WIPO			Yes No
	AO1	WO 98/15631 A1	04/16/1998	WIPO			Yes No
	AP1	WO 00/32227 A2	06/08/2000	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>1</u>	Abraham, J.M., <i>et al.</i> , "An invertible element of DNA controls phase variation of type 1 fimbriae of <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 82:5724-5727, National Academy Press (1985)
	AS	<u>1</u>	Abraham, S.N., <i>et al.</i> , "Glycerol-Induced Unraveling of the Tight Helical Conformation of <i>Escherichia coli</i> Type 1 Fimbriae," <i>J. Bacteriol.</i> 174:5145-5148, American Society for Microbiology (1992)
	AT	<u>1</u>	Adhin, M.R., <i>et al.</i> , "Nucleotide Sequence from the ssRNA Bacteriophage JP34 Resolves the Discrepancy between Serological and Biophysical Classification," <i>Virology</i> 170:238-242, Academic Press, Inc. (1989)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1700.0350002/BJD/SJE

APPLICATION NO.
10/622,087

APPLICANT
BACHMANN *et al.*

FILING DATE
July 18, 2003

GROUP
1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA2	5,792,462	08/11/1998	Johnston <i>et al.</i>			05/23/1995
	AB2	5,814,482	09/29/1998	Dubensky, Jr. <i>et al.</i>			10/30/1996
	AC2	5,871,747	02/16/1999	Gengoux-Sedlik <i>et al.</i>			04/28/1995
	AD2	5,928,647	07/27/1999	Rock			09/15/1995
	AE2	6,004,763	12/21/1999	Gengoux <i>et al.</i>			05/12/1998
	AF2	6,054,312	04/25/2000	Larocca <i>et al.</i>			08/29/1997
	AG2	6,231,864 B1	05/15/2001	Birkett			02/11/1999
	AH2	6,380,364 B1	04/30/2002	Mueller <i>et al.</i>			10/06/1999
	AI2	2002/0064533 A1	05/30/2002	Murray			06/04/2001
	AJ2	2002/0081295 A1	06/27/2002	Schiller <i>et al.</i>			04/13/2001
	AK2	2003/0157479 A1	08/21/2003	Bachmann <i>et al.</i>			11/07/2002

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
✓	AL2	WO 00/59928 A1	10/12/2000	WIPO			Yes No
✓	AM2	WO 00/23955 A1	04/27/2000	WIPO			Yes No
✓	AN2	WO 01/62284 A2	08/30/2001	WIPO			Yes No
✓	AO2	WO 01/85208 A2	11/15/2001	WIPO			Yes No
✓	AP2	WO 99/28478 A1	06/10/1999	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

✓	AR	2	Aguzzi, A., "Prion diseases, blood and the immune system: concerns and reality," <i>Haematologica</i> 85:3-10, Il Pensiero Scientifico Editore (January 2000)
✓	AS	2	Ansel, K.M., <i>et al.</i> , "In Vivo-activated CD4 T Cells Upregulate CXC Chemokine Receptor 5 and Reprogram Their Response to Lymphoid Chemokines," <i>J. Exp. Med.</i> 190:1123-1134, The Rockefeller University Press (1999)
✓	AT	2	Ansel, K.M., <i>et al.</i> , "A chemokine-driven positive feedback loop organizes lymphoid follicles," <i>Nature</i> 406:309-314, Nature Publishing Group (July 2000)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



INFORMATION DISCLOSURE STATEMENT FORM PTO-1449	ATTY. DOCKET NO. 1700.0350002/BJD/SJE	APPLICATION NO. 10/622,087
	APPLICANT BACHMANN <i>et al.</i>	
	FILING DATE July 18, 2003	GROUP 1645

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA3	2003/0175711 A1	09/08/2003	Renner <i>et al.</i>			01/18/2002
	AB3	2003/0175290 A1	09/18/2003	Renner <i>et al.</i>			01/18/2002
	AC						
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
/	AL3	WO 99/57289 A2 & A3	11/11/1999	WIPO			Yes No
/	AM3	WO 00/50461 A1	08/31/2000	WIPO			Yes No
/	AN3	EP 0 259 149 B1	12/15/1993	Europe			Yes No
/	AO3	EP 0 385 610 B1	03/16/1994	Europe			Yes No
/	AP3	WO 94/06472 A1	03/31/1994	WIPO			Yes X No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
/	AR	<u>3</u>	Antonyssamy, M.A., <i>et al.</i> , "Evidence for a Role of IL-17 in Organ Allograft Rejection: IL-17 Promotes the Functional Differentiation of Dendritic Cell Progenitors," <i>J. Immunol.</i> 162:577-584, The American Association of Immunologists (1999)
/	AS	<u>3</u>	Arenberg, D.A., <i>et al.</i> , "The murine CC chemokine, 6C-kine, inhibits tumor growth and angiogenesis in a human lung cancer SCID mouse model," <i>Cancer Immunol. Immunother.</i> 49:587-592, Springer-Verlag (January 2001)
/	AT	<u>3</u>	Arnon, R., <i>et al.</i> , "A mimotope peptide-based vaccine against <i>Schistosoma mansoni</i> : synthesis and characterization," <i>Immunology</i> 101:555-562, Blackwell Science, Ltd. (December 2000)

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1645INFORMATION DISCLOSURE STATEMENT

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
/	AL4	EP 0 465 081 B1	04/20/1994	Europe			Yes No
/	AM4	EP 0 283 505 B1	07/06/1994	Europe			Yes No
/	AN4	WO 94/15585 A1	07/21/1994	WIPO			Yes No
/	AO4	EP 0 425 082 B1	04/26/1995	Europe			Yes No
/	AP4	WO 96/05293 A1	02/22/1996	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/	AR	<u>4</u>	Bachmann, M.F., and Zinkernagel, R.M., "The influence of virus structure on antibody responses and virus serotype formation," <i>Immunol. Today</i> 17:553-558, Elsevier Science, Ltd. (1996)
/	AS	<u>4</u>	Bachmann, M.F., and Zinkernagel, R.M., "Neutralizing Antiviral B Cell Responses," <i>Annu. Rev. Immunol.</i> 15:235-270, Annual Reviews, Inc. (1997)
/	AT	<u>4</u>	Bachmann, M.F., et al., "TRANCE, a Tumor Necrosis Factor Family Member Critical for CD40 Ligand-independent T Helper Cell Activation," <i>J. Exp. Med.</i> 189:1025-1031, The Rockefeller University Press (1999)

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 1700.0350002/BJD/SJE	APPLICATION NO. 10/622,087
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
/	AL5	WO 99/07839 A2 & A3	02/18/1999	WIPO			Yes No
/	AM5	WO 99/40934 A1	08/19/1999	WIPO			Yes No
/	AN5	WO 99/67293 A1	12/29/1999	WIPO			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
/	AR	5	Banerjee, R.R., and Lazar, M.A., "Dimerization of Resistin and Resistin-like Molecules Is Determined by a Single Cysteine," <i>J. Biol. Chem.</i> 276:25970-25973, The American Society for Biochemistry and Molecular Biology, Inc. (July 2001)
/	AS	5	Bard, F. et al., "Peripherally administered antibodies against amyloid β -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nat. Med.</i> 6:916-919, Nature Publishing Company (August 2000)
/	AT	5	Bass, S., and Yang, M., "Expressing cloned genes in <i>Escherichia coli</i> ," in <i>Protein Function: A Practical Approach</i> , 2nd ed., Creighton, T.E., ed., IRL Press, Oxford, Great Britain, pp. 29-55 (1997)

EXAMINER	DATE CONSIDERED
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

✓	AR	<u>6</u>	Bernhagen, J., et al., "Purification, Bioactivity, and Secondary Structure Analysis of Mouse and Human Macrophage Migration Inhibitory Factor (MIF)," <i>Biochemistry</i> 33:14144-14155, American Chemical Society (1994)
✓	AS	<u>6</u>	Biaselle, C.J., and Millar, D.B., "Studies on Triton X-100 detergent micelles," <i>Biophys. Chem.</i> 3:355-361, North-Holland Publishing Company (1975)
✓	AT	<u>6</u>	Bleul, C.C., et al., "The lymphocyte chemoattractant SDF-1 is a ligand for LESTR/fusin and blocks HIV-1 entry," <i>Nature</i> 382:829-833, Nature Publishing Group (1996)

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FOREIGN PATENT DOCUMENTS							
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
/	AR	2	Blomfield, I.C., et al., "Type 1 Fimbriation and <i>fimE</i> Mutants of <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 173:5298-5307, American Society for Microbiology (1991)
/	AS	2	Blomfield, I.C., et al., "Integration host factor stimulates both FimB- and FimE-mediated site-specific DNA inversion that controls phase variation of type 1 fimbriae expression in <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 23:705-717, Blackwell Science, Ltd. (1997)
/	AT	2	Boder, E.T., and Wittrup, K.D., "Yeast Surface Display for Directed Evolution of Protein Expression, Affinity, and Stability," <i>Methods Enzymol.</i> 328:430-444, Academic Press (October 2000)

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

✓	AR	<u>8</u>	Bonci, A., <i>et al.</i> , "Relatedness and Phylogeny Within the Family of Periplasmic Chaperones Involved in the Assembly of Pili or Capsule-Like Structures of Gram-Negative Bacteria," <i>J. Mol. Evol.</i> 44:299-309, Springer-Verlag (1997)
✓	AS	<u>8</u>	Brandner, S., <i>et al.</i> , "A crucial role for B cells in neuroinvasive scrapie," <i>Transfus. Clin. Biol.</i> 6:17-23, Elsevier, Paris (1999)
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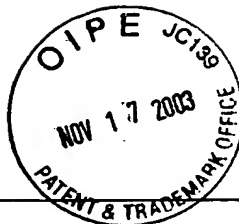
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✓	AR	<u>9</u>	Brown, K.D., <i>et al.</i> , "A family of small inducible proteins secreted by leukocytes are members of a new superfamily that includes leukocyte and fibroblast-derived inflammatory agents, growth factors, and indicators of various activation processes," <i>J. Immunol.</i> 142:679-687, The American Association of Immunologists (1989)
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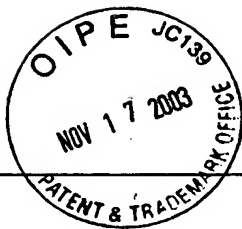
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✓	AT	<u>10</u>	Burger, J.A., <i>et al.</i> , "Blood-derived nurse-like cells protect chronic lymphocytic leukemia B cells from spontaneous apoptosis through stromal cell-derived factor-1," <i>Blood</i> 96:2655-2663, The American Society of Hematology (October 2000)

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✓	AS	<u>11</u>	Cannon-Carlson S., <i>et al.</i> , "Expression, Purification, and Characterization of Recombinant Human Interleukin-13 from NS-O Cells," <i>Protein Expr. Purif.</i> 12:239-248, Academic Press (1998)
✓	AT	<u>11</u>	Chabaud, M., <i>et al.</i> , "Enhancing Effect of IL-17 on IL-1-Induced IL-6 and Leukemia Inhibitory Factor Production by Rheumatoid Arthritis Synoviocytes and Its Regulation by Th2 Cytokines," <i>J. Immunol.</i> 161: 409-414, The American Association of Immunologists (1998)

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✓	AR	<u>12</u>	Chabaud, M., <i>et al.</i> , "Human Interleukin-17. A T Cell-Derived Proinflammatory Cytokine Produced by the Rheumatoid Synovium," <i>Arthritis Rheum.</i> 42:963-970, Wiley-Liss, Inc. (1999)
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✓	AT	<u>12</u>	Clark, H.F., <i>et al.</i> , "Comparative Characterization of a C-Type Virus-Producing Cell Line (VSW) and a Virus-Free Cell Line (VH2) From <i>Vipera russelli</i> ," <i>J. Natl. Cancer Inst.</i> 51:645-657, Oxford University Press (1973)

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✓	AR	<u>13</u>	Clark-Lewis, I., <i>et al.</i> , "Chemical Synthesis, Purification, and Characterization of Two Inflammatory Proteins, Neutrophil Activating Peptide 1 (Interleukin-8) and Neutrophil Activating Peptide 2," <i>Biochemistry</i> 30:3128-3135, American Chemical Society (1991)
✓	AS	<u>13</u>	Coffman, R.L., <i>et al.</i> , "Antibody to Interleukin-5 Inhibits Helminth-Induced Eosinophilia in Mice," <i>Science</i> 245:308-310, American Association for the Advancement of Science (1989)
✓	AT	<u>13</u>	Cohen, C., and Parry D.A.D., " α -Helical coiled coils-a widespread motif in proteins," <i>Trends Biochem. Sci.</i> 11:245-248, Elsevier Science Publishers B.V. (1986)

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✓	AR	<u>14</u>	Corti, M., <i>et al.</i> , "GM1-ganglioside-Triton X-100 mixed micelles: changes of micellar properties studied by laser-light scattering and enzymatic methods," <i>Chem. Phys. Lipids</i> 28:197-214, Elsevier/North-Holland Scientific Publishers, Ltd. (1981)
✓	AS	<u>14</u>	Coutelier, J.-P., <i>et al.</i> , "IgG2a Restriction of murine antibodies elicited by viral infections," <i>J. Exp. Med.</i> 165:64-69, The Rockefeller University Press (1987)
✓	AT	<u>14</u>	Crump, M.P., <i>et al.</i> , "Solution Structure of Eotaxin, a Chemokine That Selectively Recruits Eosinophils in Allergic Inflammation," <i>J. Biol. Chem.</i> 273:22471-22479, The American Society for Biochemistry and Molecular Biology, Inc. (1998)

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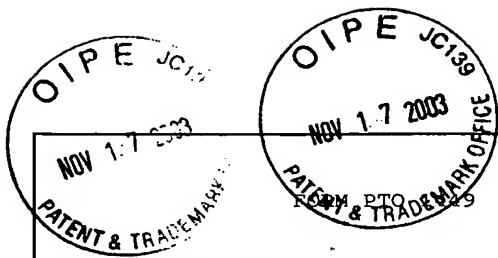
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/	AR	<u>16</u>	Dodson, K.W., <i>et al.</i> , "Outer-membrane PapC molecular usher discriminately recognizes periplasmic chaperone-pilus subunit complexes," <i>Proc. Natl. Acad. Sci. USA</i> 90:3670-3674, National Academy Press (1993)
/	AS	<u>16</u>	Dudler, J., <i>et al.</i> , "Effect of interleukin 17 on proteoglycan degradation in murine knee joints," <i>Ann. Rheum. Dis.</i> 59:529-532, Bmj Publishing Group (July 2000)
/	AT	<u>16</u>	Eckhardt, S.G., <i>et al.</i> , "Hepatitis B Virus Core Antigen Has Two Nuclear Localization Sequences in the Arginine-Rich Carboxyl Terminus," <i>J. Virol.</i> 65:575-582, American Society for Microbiology (1991)

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✓ AR	17	Eisenmesser, E.Z., et al., "Expression, Purification, Refolding, and Characterization of Recombinant Human Interleukin-13: Utilization of Intracellular Processing," <i>Protein Expr. Purif.</i> 20:186-195, Academic Press (November 2000)	
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/	AT	19	Folkman, J., "Angiogenesis in cancer, vascular, rheumatoid and other disease," <i>Nat. Med.</i> 1:27-31, Nature Publishing Company (1995)

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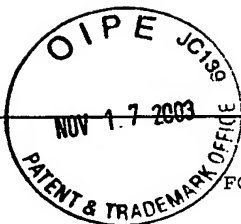
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✓	AR	<u>21</u>	Fujiwara, K., et al., "Novel preparation method of immunogen for hydrophobic hapten, enzyme immunoassay for daunomycin and adriamycin," <i>J. Immunol. Methods</i> 45:195-203, Elsevier/North-Holland Biomedical Press (1981)
✓	AS	<u>21</u>	Gally, D.L., et al., "Environmental Regulation of the <i>fim</i> Switch Controlling Type 1 Fimbrial Phase Variation in <i>Escherichia coli</i> K-12: Effects of Temperature and Media," <i>J. Bacteriol.</i> 175:6186-6193, American Society for Microbiology (1993)
✓	AT	<u>21</u>	Gally, D. L., et al., "Interaction of FimB and FimE with the <i>fim</i> switch that controls the phase variation of type 1 fimbriate in <i>Escherichia coli</i> K-12," <i>Mol. Microbiol.</i> 21:725-738, Blackwell Science, Ltd. (1996)

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	AM						Yes No
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	AO						Yes No
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✓	AR	22	Gherardi, E. et al., "A single-step procedure for cloning and selection of antibody-secreting hybridomas," <i>J. Immunol. Methods</i> 126: 61-68, Elsevier (1990)
✓	AS	22	Golmohammadi, R., et al., "The crystal structure of bacteriophage Q β at 3.5Å resolution," <i>Structure</i> 4:543-554, Current Biology, Ltd. (1996)
✓	AT	22	Gunn, M.D., et al., "A B-cell-homing chemokine made in lymphoid follicles activates Burkitt's lymphoma receptor-1," <i>Nature</i> 391:799-803, Nature Publishing Group (1998)

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	AR	23	Hanes, J., et al., "Picomolar affinity antibodies from a fully synthetic naive library selected and evolved by ribosome display," <i>Nat. Biotechnol.</i> 18:1287-1292, Nature Publishing Company (December 2000)
	AS	23	Hanson, M.S., et al., "Purification of the <i>Escherichia coli</i> Type 1 Pilin and Minor Pilus Proteins and Partial Characterization of the Adhesin Protein," <i>J. Bacteriol.</i> 170:3350-3358, American Society for Microbiology (1988)
	AT	23	Hanson, M.S., and Brinton, Jr., C.C., "Identification and characterization of <i>E. coli</i> type-1 pilus tip adhesion protein," <i>Nature</i> 332:265-268, Nature Publishing Group (1988)

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AR	24	Harrison, J.L., et al., "Screening of Phage Antibody Libraries," <i>Methods Enzymol.</i> 267:83-109, Macmillan Publishers, Ltd. (1996)	
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AR	25	Heveker, N., et al., Dissociation of the signalling and antiviral properties of SDF-1-derived small peptides," <i>Curr. Biol.</i> 8:369-376, Current Biology, Ltd. (1998)
AS	25	Hirel, P.-H., et al., "Extent of N-terminal methionine excision from <i>Escherichia coli</i> proteins is governed by the side-chain length of the penultimate amino acid," <i>Proc. Natl. Acad. Sci. USA</i> 86:8247-8251, National Academy Press (1989)
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	AR	26	Holmgren, A., <i>et al.</i> , "Conserved immunoglobulin-like features in a family of periplasmic pilus chaperones in bacteria," <i>EMBO J.</i> 11:1617-1622, Oxford University Press (1992)
	AS	26	Holmgren, A., and Brändén, C.-I., "Crystal structure of chaperone protein PapD reveals an immunoglobulin fold," <i>Nature</i> 342:248-251, Nature Publishing Group (1989)
	AT	26	Hultgren, S.J., <i>et al.</i> , "The PapG adhesin of uropathogenic <i>Escherichia coli</i> contains separate regions for receptor binding and for the incorporation into the pilus," <i>Proc. Nat. Acad. Sci. USA</i> 86:4357-4361, National Academy Press (1989)

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	AR	27	Hultgren, S.J., et al., "PapD and superfamily of periplasmic immunoglobulin-like pilus chaperones," <i>Adv. Prot. Chem.</i> 44:99-123, Academic Press, Inc. (1993)
	AS	27	Hultgren, S.J., et al., "Pilus and Nonpilus Bacterial Adhesins: Assembly and Function in Cell Recognition," <i>Cell</i> 73:887-901, Cell Press (1993)
	AT	27	Hultgren, S.J., et al., "Bacterial Adhesins and Their Assembly," in <i>Escherichia coli and Salmonella</i> , Neidhardt, F.C., et al., eds., ASM Press, Washington, D.C. pp. 2730-2756 (1996)

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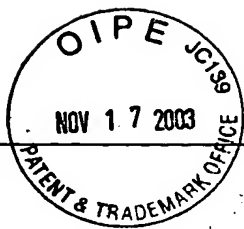
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✓	AR	<u>28</u>	Humbles, A.A., et al., "Kinetics of Eotaxin Generation and Its Relationship to Eosinophil Accumulation in Allergic Airways Disease: Analysis in a Guinea Pig Model In Vivo," <i>J. Exp. Med.</i> 186:601-612, The Rockefeller University Press (1997)
✓	AS	<u>28</u>	Hung, D.L., et al., "Molecular basis of two subfamilies of immunoglobulin-like chaperones," <i>EMBO J.</i> 15:3792-3805, Oxford University Press (1996)
✓	AT	<u>28</u>	Hung, D.L. and Hultgren, S.J., "Pilus Biogenesis via the Chaperone/Usher Pathway: An Integration of Structure and Function," <i>J. Struct. Biol.</i> 124:201-220, Academic Press (1998)

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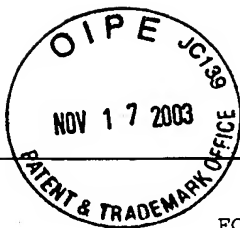
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	AR	29	Ikeda, T., et al., "Determination of Three Isoforms of the Receptor Activator of Nuclear Factor- κ B Ligand and Their Differential Expression in Bone and Thymus," <i>Endocrinology</i> 142:1419-1426, The Endocrine Society (April 2001)
	AS	29	Ingle E., et al., "Production and purification of recombinant human interleukin-5 from yeast and baculovirus expression systems," <i>Eur. J. Biochem.</i> 196:623-629, Blackwell Science, Ltd. (1991)
	AT	29	Jacob-Dubuisson, F., et al., "PapD chaperone function in pilus biogenesis depends on oxidant and chaperone-like activities of DsbA," <i>Proc. Natl. Acad. Sci. USA</i> 91:11552-11556, National Academy Press (1994)

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✓	AR	<u>30</u>	Jacob-Dubuisson, F., <i>et al.</i> , "Initiation of assembly and association of the structural elements of a bacterial pilus depend on two specialized tip proteins," <i>EMBO J.</i> 12:837-847, Oxford University Press (1993)
✓	AS	<u>30</u>	Jacob-Dubuisson, F., <i>et al.</i> , "Chaperone-assisted Self-assembly of Pili Independent of Cellular Energy," <i>J. Biol. Chem.</i> 269:12447-12455, The American Society for Biochemistry and Molecular Biology, Inc. (1994)
✓	AT	<u>30</u>	Jiang, X., <i>et al.</i> , "Norwalk Virus Genome Cloning and Characterization," <i>Science</i> 250:1580-1583, American Association for the Advancement of Science (1990)

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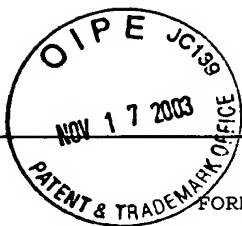
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✓	AR	<u>31</u>	Jones, C.H., et al., "FimC is a periplasmic PapD-like chaperone that directs assembly of type 1 pili in bacteria," <i>Proc. Natl. Acad. Sci. USA</i> 90:8397-8401, National Academy Press (1993)
✓	AS	<u>31</u>	Jones, C.H., et al., "FimH adhesin of type 1 pili is assembled into a fibrillar tip structure in the Enterobacteriaceae," <i>Proc. Natl. Acad. Sci. USA</i> 92:2081-2085, National Academy Press (1995)
✓	AT	<u>31</u>	Josien, R., et al., "TRANCE, a Tumor Necrosis Factor Family Member, Enhances the Longevity and Adjuvant Properties of Dendritic Cells In Vivo," <i>J. Exp. Med.</i> 191: 495-501, The Rockefeller University Press (February 2000)

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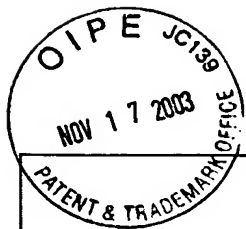
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
✓	AR	32	Jovanovic, D.V., et al., "IL-17 Stimulates the Production and Expression of Proinflammatory Cytokines, IL- β and TNF- α , by Human Macrophages," <i>J. Immunol.</i> 160:3513-3521, The American Association of Immunologists (1998)
✓	AS	32	Kapp, U., et al., "Interleukin 13 Is Secreted by and Stimulates the Growth of Hodgkin and Reed-Sternberg Cells," <i>J. Exp. Med.</i> 189:1939-1945, The Rockefeller University Press (1999)
✓	AT	32	Kastelein, R.A. et al., "Effect of the sequence upstream from the ribosome-binding site on the yield of protein from the cloned gene for phage MS2 coat protein," <i>Gene</i> 23:245-254, Elsevier (1983)

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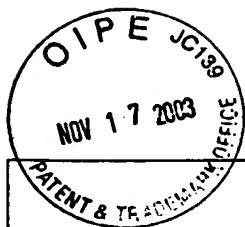
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✓	AR	<u>33</u>	Kim, K.J., et al., "Inhibition of vascular endothelial growth factor-induced angiogenesis suppresses tumour growth in vivo," <i>Nature</i> 362:841-844, Nature Publishing Group (1993)
✓	AS	<u>33</u>	Kim, K.-H., et al., "A Cysteine-rich Adipose Tissue-specific Secretory Factor Inhibits Adipocyte Differentiation," <i>J. Biol. Chem.</i> 276:11252-11256, The American Society for Biochemistry and Molecular Biology, Inc. (April 2001)
✓	AT	<u>33</u>	Klemm, P., "The <i>fimA</i> gene encoding the type-1 fimbrial subunit of <i>Escherichia coli</i> . Nucleotide sequence and primary structure of the protein," <i>Euro. J. Biochem.</i> 143:395-399, Blackwell Science, Ltd. (1984)

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	AR	34	Klemm, P., and Christiansen, G., "Three <i>fim</i> genes required for the regulation of length and mediation of adhesion of <i>Escherichia coli</i> type 1 fimbriae," <i>Mol. Gen. Genet.</i> 208:439-445, Springer-Verlag (1987)
	AS	34	Klemm, P., et al., "The major subunit of <i>Escherichia coli</i> type 1 fimbriate is not required for D-mannose-specific adhesion," <i>Mol. Microbiol.</i> 4:553-559, Blackwell Scientific Publications (1990)
	AT	34	Klemm, P., and Christiansen, G., "The <i>fimD</i> gene required for cell surface localization of <i>Escherichia coli</i> type 1 fimbriae," <i>Mol. Gen. Genet.</i> 220:334-338, Springer-Verlag (1990)

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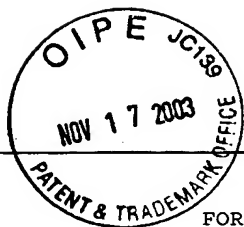
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	35	Klemm, P., "FimC, a chaperone-like periplasmic protein of <i>Escherichia coli</i> involved in biogenesis of type 1 fimbriae," <i>Res. Microbiol.</i> 143:831-838, Institut Pasteur/Elsevier (1992)
	AS	35	Klemm, P., and Krogfelt, K.A., "Type 1 Fimbriae of <i>Escherichia coli</i> ," in <i>Fimbriae</i> , Klemm, P., ed., CRC Press, Inc., Boca Raton, FL., pp.9-26 (1994)
	AT	35	Kodama, S., et al., "Characterization of recombinant murine interleukin 5 expressed in Chinese hamster ovary cells," <i>Glycobiology</i> 2:419-427, Oxford University Press (1992)

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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1700.0350002/BJD/SJE

APPLICATION NO.
10/622,087

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AR	36	Kodama, S., <i>et al.</i> , "Carbohydrate Structures of Human Interleukin 5 Expressed in Chinese Hamster Ovary Cells," <i>J. Biochem. (Tokyo)</i> 110:693-701, Japanese Biochemical Society (1991)
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AT	36	Koschel, M., <i>et al.</i> , "Extensive Mutagenesis of the Hepatitis B Virus Core Gene and Mapping of Mutations That Allow Capsid Formation," <i>J. Virol</i> 73:2153-2160, American Society for Microbiology (1999)

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AR	37	Kohts, K., "Structure-Function Studies on Human Macrophage Colony-Stimulating Factor (M-CSF)," <i>Mol. Reprod. Dev.</i> 46:31-38, Wiley-Liss, Inc. (1997)
AS	37	Kozlovska, T.M., et al., "Recombinant RNA phage Q β capsid particles synthesized and self-assembled in <i>Escherichia coli</i> ," <i>Gene</i> 137:133-137, Elsevier Science Publishers B.V. (1993)
AT	37	Kozlovskaya, T.M., et al., "Formation of capsid-like structures as a result of the expression of a cloned envelope protein gene from RNA-containing bacteriophage fr," <i>Dokl. Akad. Nauk. SSSR</i> 287: 452-455, Erivan Akademiia Nauk Armianskoi Ssr (1986)

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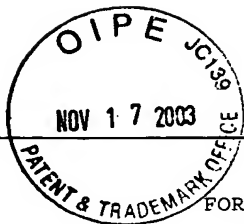
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	AO						Yes No
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/	AR	40	Lee, K.H., et al., "Two-Dimensional Electrophoresis of Proteins as a Tool in the Metabolic Engineering of Cell Cycle Regulation," <i>Biotech. Bioeng.</i> 50:336-340, John Wiley & Sons, Inc. (1996)
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INFORMATION DISCLOSURE STATEMENT FORM PTO-1449	ATTY. DOCKET NO. 1700.0350002/EJD/SJE	APPLICATION NO. 10/622,087
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✓	AR	<u>41</u>	Liljeström, P., and Garoff, H., "A new generation of animal cell expression vectors based on the semliki forest virus replicon," <i>Bio/technology</i> 9:1356-1361, Nature Publishing Company (1991)
✓	AS	<u>41</u>	Liljeström, P., "Alphavirus expression systems," <i>Curr. Opin. Biotechnol.</i> 5:495-500, Current Biology, Ltd. (1994)
✓	AT	<u>41</u>	Lim, F., et al., "The RNA-binding Site of Bacteriophage Q β Coat Protein," <i>J. Biol. Chem.</i> 271:31839-31845, The American Society for Biochemistry and Molecular Biology, Inc. (1996)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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✓	AS	<u>42</u>	Lindberg, F., et al., "PapD, a Periplasmic Transport Protein in P-Pilus Biogenesis," <i>J. Bacteriol.</i> 171:6052-6058, American Society for Microbiology (1989)
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AR	43	López, O., <i>et al.</i> , "Direct formation of mixed micelles in the solubilization of phospholipid liposomes by Triton X-100," <i>FEBS Lett.</i> 426:314-318, Elsevier (1998)
AS	43	Lowe, M.A., <i>et al.</i> , "Immunoelectron Microscopic Analysis of Elongation of Type 1 Fimbriae in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 169:157-163, American Society for Microbiology (1987)
AT	43	Lu, D., <i>et al.</i> , "Identification of the Residues in the Extracellular Region of KDR Important for Interaction with Vascular Endothelial Growth Factor and Neutralizing Anti-KDR Antibodies," <i>J. Biol. Chem.</i> 275:14321-14330, The American Society for Biochemistry and Molecular Biology, Inc. (May 2000)

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AR	44	Lum, L., <i>et al.</i> , "Evidence for a Role of a Tumor Necrosis Factor- α (TNF- α)-converting Enzyme-like Protease in Shedding of TRANCE, a TNF Family Member Involved in Osteoclastogenesis and Dendritic Cell Survival," <i>J. Biol. Chem.</i> 274:13613-13618, The American Society for Biochemistry and Molecular Biology, Inc. (1999)
AS	44	Lundstrom, K., "Alphaviruses as expression vectors," <i>Curr. Opin. Biotechnol.</i> 8:578-582, Current Biology, Ltd. (1997)
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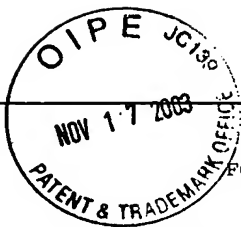
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	AT	45	Matsui, S.M., et al., "The Isolation and Characterization of a Norwalk Virus-Specific cDNA," <i>J. Clin. Invest.</i> 87:1456-1461, The American Society for Clinical Investigation, Inc. (1991)

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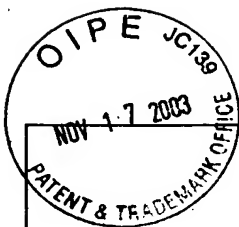
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✓	AR	<u>47</u>	Mayer, K.L., and Stone, M.J., "NMR Solution Structure and Receptor Peptide Binding of the CC Chemokine Eotaxin-2," <i>Biochemistry</i> 39:8382-8395, American Chemical Society (July 2000)
✓	AS	<u>47</u>	McClain, M.S., et al., "Roles of <i>fimB</i> and <i>fimE</i> in Site-Specific DNA Inversion Associated with Phase Variation of Type 1 Fimbriae in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 173:5308-5314, American Society for Microbiology (1991)
✓	AT	<u>47</u>	McPherson, P.S., "Regulatory Role of SH3 Domain-mediated Protein-Protein Interactions in Synaptic Vesicle Endocytosis," <i>Cell Signal</i> 11:229-238, Elsevier Science, Inc. (1999)

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✓	AT	<u>48</u>	Min, H., et al., "Osteoprotegerin Reverses Osteoporosis by Inhibiting Endosteal Osteoclasts and Prevents Vascular Calcification by Blocking a Process Resembling Osteoclastogenesis," <i>J. Exp. Med.</i> 192:463-474, The Rockefeller University Press (August 2000)

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
✓	AR	49	Mitchell, D.L., et al., "Purification and characterization of recombinant murine interleukin-5 glycoprotein, from a Baculovirus expression system," <i>Biochem. Soc. Trans.</i> 21:332S, Portland Press (1993)
✓	AS	49	Montrasio, F. et al., "Impaired Prion Replication in Spleens of Mice Lacking Functional Follicular Dendritic Cells," <i>Science</i> 288:1257-1259, American Association for the Advancement of Science (May 2000)
✓	AT	49	Morein, B., et al., "Iscom, a novel structure for antigenic presentation of membrane proteins from enveloped viruses," <i>Nature</i> 308:457-460, Nature Publishing Group (1984)

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

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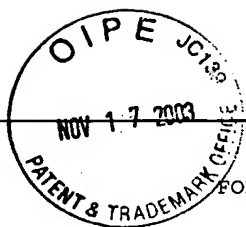
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

✓	AR	<u>50</u>	Moriya, C., <i>et al.</i> , "Large quantity production with extreme convenience of human SDF-1 α and SDF-1 β by a Sendai virus vector," <i>FEBS Lett.</i> 425:105-111, Amsterdam Elsevier Science B.V. (1998)
✓	AS	<u>50</u>	Müller, A., <i>et al.</i> , "Involvement of chemokine receptors in breast cancer metastasis," <i>Nature</i> 410:50-56, Nature Publishing Group (March 2001)
✓	AT	<u>50</u>	Murphy, Jr., K.P., <i>et al.</i> , "Expression of Human Interleukin-17 in <i>Pichia pastoris</i> : Purification and Characterization," <i>Protein Expr. Purif.</i> 12:208-214, Academic Press (1998)

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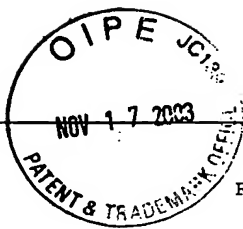
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	AM						Yes No
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	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
✓	AR	51	Nagira, M., <i>et al.</i> , "Molecular Cloning of a Novel Human CC Chemokine Secondary Lymphoid-Tissue Chemokine That Is a Potent Chemoattractant for Lymphocytes and Mapped to Chromosome 9p13," <i>J. Biol. Chem.</i> 272:19518-19524, The American Society for Biochemistry and Molecular Biology, Inc. (1997)
✓	AS	51	Nanki, T., <i>et al.</i> , "Stromal Cell-Derived Factor-1-CXC Chemokine Receptor 4 Interactions Play a Central Role in CD4 ⁺ T Cell Accumulation in Rheumatoid Arthritis Synovium," <i>J. Immunol.</i> 165:6590-6598, The American Association of Immunologists (December 2000)
✓	AT	51	Naureckiene, S., and Uhlin., B.E., "In vitro analysis of mRNA processing by Rnase E in the pap operon of <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 21:55-68, Blackwell Science, Ltd. (1996)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

✓	AR	<u>52</u>	Neiryneck, S., et al., "A universal influenza A vaccine based on the extracellular domain of the M2 protein," <i>Nat. Med.</i> 5:1157-1163, Nature Publishing Company (1999)
✓	AS	<u>52</u>	Newman, J.V., et al., "Stimulation of <i>Escherichia coli</i> F-18Col ⁺ Type-1 fimbriae synthesis by <i>leuX</i> ," <i>FEMS Microbiol. Lett.</i> 122:281-287, Elsevier (1994)
✓	AT	<u>52</u>	Ni, C.-Z., et al., "Crystal structure of the coat protein from the GA bacteriophage: Model of the unassembled dimer," <i>Protein Sci.</i> 5:2485-2493, Cambridge University Press (1996)

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✓	AR	<u>53</u>	Nilsson, P., <i>et al.</i> , "Mutations Affecting mRNA Processing and Fimbrial Biogenesis in the <i>Escherichia coli</i> pap Operon," <i>J. Bacteriol.</i> 178:683-690, American Society for Microbiology (1996)
✓	AS	<u>53</u>	Oberlin, E., <i>et al.</i> , "The CXC chemokine SDF-1 is the ligand for LESTR/fusin and prevents infection by T-cell-line-adapted HIV-1," <i>Nature</i> 382:833-835, Nature Publishing Group (1996)
✓	AT	<u>53</u>	Ohnishi, Y., <i>et al.</i> , "Crystal Structure of Recombinant Native SDF-1 α with Additional Mutagenesis Studies: An Attempt at a More Comprehensive Interpretation of Accumulated Structure-Activity Relationship Data," <i>J. Interferon Cytokine Res.</i> 20:691-700, Mary Ann Liebert, Inc. (August 2000)

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✓	AR	<u>54</u>	Olszewska, W., <i>et al.</i> , "Protection against Measles Virus-Induced Encephalitis by Anti-mimotope Antibodies: The Role of Antibody Affinity," <i>Virology</i> 272:98-105, Academic Press (June 2000)
✓	AS	<u>54</u>	Orndorff, P.E., and Falkow, S., "Identification and Characterization of a Gene Product That Regulates Type 1 Piliation in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 160:61-66, American Society for Microbiology (1984)
✓	AT	<u>54</u>	Orndorff, P.E., and Falkow, S., "Nucleotide Sequence of <i>pilA</i> , the Gene Encoding the Structural Component of Type 1 Pili in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 162:454-457, American Society for Microbiology (1985)

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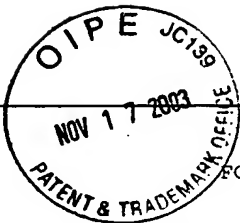
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

✓	AR	<u>55</u>	O'Shea, E.K., <i>et al.</i> , "Evidence That the Leucine Zipper Is a Coiled Coil," <i>Science</i> 243:538-542, American Association for the Advancement of Science (1989)
✓	AS	<u>55</u>	O'Shea, E.K., <i>et al.</i> , "Mechanism of Specificity in the Fos-Jun Oncoprotein Heterodimer," <i>Cell</i> 68:699-708, Cell Press (1992)
✓	AT	<u>55</u>	Pandit, J., <i>et al.</i> , "Three-dimensional Structure of Dimeric Human Recombinant Macrophage Colony-Stimulating Factor," <i>Science</i> 258:1358-1362, American Association for the Advancement of Science (1992)

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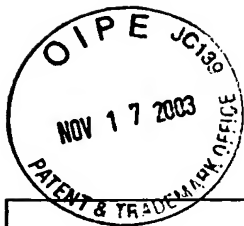
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
✓	AR	56	Pierrot, C., et al., "Expression of Rat Interleukin-5 and Generation of Neutralizing Antiserum: a Comparative Study of Rat IL-5 Produced in <i>Escherichia coli</i> and Insect Cells," <i>Biochem. Biophys. Res. Commun.</i> 253:756-760, Academic Press (1998)
✓	AS	56	Pierson-Mullany, L.K., et al. "Characterization of polyclonal allergen-specific IgE responses by affinity distributions," <i>Mol. Immunol.</i> 37:613-620, Elsevier Science, Ltd. (August 2000)
✓	AT	56	Piossek, C., et al., "Vascular Endothelial Growth Factor (VEGF) Receptor II-derived Peptides Inhibit VEGF," <i>J. Biol. Chem.</i> 274:5612-5619, The American Society for Biochemistry and Molecular Biology, Inc. (1999)

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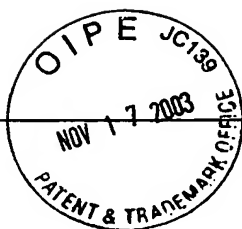
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✓	AR	<u>57</u>	Presta, L.G., <i>et al.</i> , "Humanization of an Anti-Vascular Endothelial Growth Factor Monoclonal Antibody for the Therapy of Solid Tumors and Other Disorders," <i>Cancer Res.</i> 57:4593-4599, The American Association for Cancer Research (1997)
✓	AS	<u>57</u>	Priano, C., <i>et al.</i> , "A Complete Plasmid-based Complementaion System for RNA Coliphage Q β : Three Proteins of Bacteriophages Q β (Group III) and SP (Group IV) can be Interchanged," <i>J. Mol. Biol.</i> 249:283-297, Academic Press, Ltd. (1995)
✓	AT	<u>57</u>	Proudfoot, A.E.I., <i>et al.</i> , "Preparation and characterization of human interleukin-5 expressed in recombinant <i>Escherichia coli</i> ," <i>Biochem. J.</i> 270:357-361, Portland Press, Ltd. (1990)

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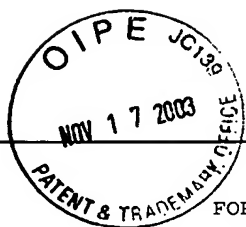
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

✓	AR	58	Renner, W.A., et al., "Recombinant Cyclin E Expression Activates Proliferation and Obviates Surface Attachment of Chinese Hamster Ovary (CHO) Cells in Protein-Free Medium," <i>Biotech. Bioeng.</i> 47:476-482, John Wiley & Sons, Inc. (1995)
✓	AS	58	Risau, W., "Mechanisms of angiogenesis," <i>Nature</i> 386:671-674, Nature Publishing Group (1997)
✓	AT	58	Ritter, A., et al., "The Pai-associated leuX specific tRNA ^{Leu} affects type 1 fimbriation in pathogenic <i>Escherichia coli</i> by control of FimB recombinase expression," <i>Mol. Microbiol.</i> 25:871-882, Blackwell Science, Ltd. (1997)

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	AR	<u>59</u>	Roesch, P.L., and Blomfield, I.C., "Leucine alters the interaction of the leucine-responsive regulatory protein (Lrp) with the <i>fim</i> switch to stimulate site-specific recombination in <i>Escherichia coli</i> ," <i>Mol. Microbiol.</i> 27:751-761, Blackwell Science, Ltd. (1998)
	AS	<u>59</u>	Roher, A.E., et al., "Isolation and Chemical Characterization of Alzheimer's Disease Paired Helical Filament Cytoskeletons: Differentiation from Amyloid Plaque Core Protein," <i>J. Cell Biol.</i> 107:2703-2716, The Rockefeller University Press (1988)
	AT	<u>59</u>	Roher, A.E., et al., "Morphological and Biochemical Analyses of Amyloid Plaque Core Proteins Purified from Alzheimer Disease Brain Tissue," <i>J. Neurochem.</i> 61: 1916-1926, Raven Press, Ltd. (1993)

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✓	AR	<u>60</u>	Romagnani, S., "The Th1/Th2 paradigm," <i>Immunol. Today</i> 18:263-266, Elsevier Science, Ltd. (1997)
✓	AS	<u>60</u>	Rothenberg, M.E., et al., "Targeted Disruption of the Chemokine Eotaxin Partially Reduces Antigen-induced Tissue Eosinophilia," <i>J. Exp. Med.</i> 185:785-790, The Rockefeller University Press (1997)
✓	AT	<u>60</u>	Rusconi, S., et al., "In vitro inhibition of HIV-1 by Met-SDF-1 β alone or in combination with antiretroviral drugs," <i>Antivir. Ther.</i> 5:199-204, International Medical Press (September 2000)

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✓	AR	<u>61</u>	Russell, P.W., and Orndorff, P.E., "Lesions in Two <i>Escherichia coli</i> Type 1 Pilus Genes Alter Pilus Number and Length without Affecting Receptor Binding," <i>J. Bacteriol.</i> 174:5923-5935, American Society for Microbiology (1992)
✓	AS	<u>61</u>	Santos, L., et al., "Role of macrophage migration inhibitory factor (MIF) in murine antigen-induced arthritis: interaction with glucocorticoids," <i>Clin. Exp. Immunol.</i> 123:309-314, Blackwell Science (February 2001)
✓	AT	<u>61</u>	Saulino, E.T., et al., "Ramifications of kinetic partitioning on usher-mediated pilus biogenesis," <i>EMBO J.</i> 17:2177-2185, Oxford University Press (1998)

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✓	AR	<u>62</u>	Schenk, D., <i>et al.</i> , "Immunization with amyloid- β attenuates Alzheimer-disease-like pathology in the PDAPP mouse," <i>Nature</i> 400:173-177, Nature Publishing Group (1999)
✓	AS	<u>62</u>	Schlesinger, S., "Alphaviruses - vectors for the expression of heterologous genes," <i>Trends Biotechnol.</i> 11:18-22, Elsevier Science Publishers, Ltd. (1993)
✓	AT	<u>62</u>	Selkoe, D.J., "Translating cell biology into therapeutic advances in Alzheimer's disease," <i>Nature</i> 399:A23-A31, Nature Publishing Group (1999)

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1700.0350002/BJD/SJE

APPLICATION NO.
10/622,087

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✓	AR	<u>63</u>	Slonim, L.N., et al., "Interactive surface in the PapD chaperone cleft is conserved in pilus chaperone superfamily and essential in subunit recognition and assembly," <i>EMBO J.</i> 11:4747-4756, Oxford University Press (1992)
✓	AS	<u>63</u>	Smyth, C.J., et al., "Fimbrial adhesins: similarities and variations in structure and biogenesis," <i>FEMS Immun. Med. Microbiol.</i> 16:127-139, Elsevier (1996)
✓	AT	<u>63</u>	Soto, H., et al., "The CC chemokine 6Ckine binds the CXC chemokine receptor CXCR3," <i>Proc. Natl. Acad. Sci. USA</i> 95:8205-8210, National Academy Press (1998)

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✓	AR	<u>64</u>	Soto, G.E., et al., "Periplasmic chaperone recognition motif of subunits mediates quaternary interactions in the pilus," <i>EMBO J.</i> 17:6155-6167, Oxford University Press (1998)
✓	AS	<u>64</u>	Soto, G.E., and Hultgren, S.J., "Bacterial Adhesins: Common Themes and Variations in Architecture and Assembly," <i>J. Bacteriol.</i> 181:1059-1071, American Society for Microbiology (1999)
✓	AT	<u>64</u>	Steppan, C.M., et al., "The hormone resistin links obesity to diabetes," <i>Nature</i> 409:307-312, Nature Publishing Group (January 2001)

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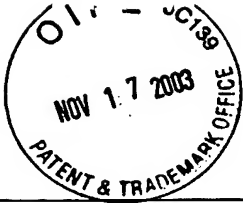
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	AR	<u>65</u>	Stollar, V., "Togaviruses in Cultured Arthropod Cells," in <i>The Togaviruses. Biology, Structure, Replication</i> , Schlesinger, R.W., ed., Academic Press, Inc. New York, N.Y., pp.583-621 (1980)
	AS	<u>65</u>	Strauss, J., and Strauss, E.G., "The Alphaviruses: Gene Expression, Replication, and Evolution," <i>Microbiol. Rev.</i> 58:491-562, American Society for Microbiology (1994)
	AT	<u>65</u>	Striker, R.T., et al., "Stable Fiber-forming and Nonfiber-forming Chaperone-Subunit Complexes in Pilus Biogenesis," <i>J. Biol. Chem.</i> 269:12233-12239, The American Society for Biochemistry and Molecular Biology, Inc. (1994)

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✓	AR	<u>66</u>	Sturchler-Pierrat, C., et al., "Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology," <i>Proc. Natl. Acad. Sci. USA</i> 94:13287-13292, National Academy Press (1997)
✓	AS	<u>66</u>	Sun, H.-W., et al., "Crystal structure at the 2.6-Å resolution of human macrophage migration inhibitory factor," <i>Proc. Natl. Acad. Sci. USA</i> 93:5191-5196, National Academy Press (1996)
✓	AT	<u>66</u>	Tang, J.-L., et al., "Interleukin-17 antagonism inhibits acute but not chronic vascular rejection," <i>Transplantation</i> 72:348-350, Lippincott Williams & Wilkins (July 2001)

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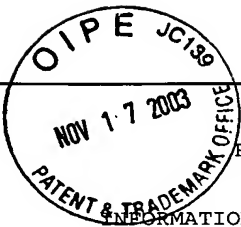
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✓	AR	<u>67</u>	Tanimori, H., <i>et al.</i> , "Enzyme immunoassay of neocarzinostatin using β -galactosidase as label," <i>J. Pharm. Dyn.</i> 4:812-819, Pharmaceutical Society of Japan (1981)
✓	AS	<u>67</u>	Teixeira, M.M., <i>et al.</i> , "Chemokine-induced Eosinophil Recruitment. Evidence of a Role for Endogenous Eotaxin in an In Vivo Allergy Model in Mouse Skin," <i>J. Clin. Invest.</i> 100:1657-1666, The American Society for Clinical Investigation, Inc. (1997)
✓	AT	<u>67</u>	Tewari, R., <i>et al.</i> , "Neutrophil Activation by Nascent FimH Subunits of Type I Fimbriae Purified from the Periplasm of <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 268:3009-3015, The American Society for Biochemistry and Molecular Biology, Inc. (1993)

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✓	AR	68	Teunissen, M.B.M., et al., "Interleukin-17 and Interferon- γ Synergize in the Enhancement of Proinflammatory Cytokine Production by Human Keratinocytes," <i>J. Invest. Dermatol.</i> 111:645-649, The Society for Investigative Dermatology, Inc. (1998)
✓	AS	68	Thanassi, D.G., et al., "The PapC usher forms an oligomeric channel: Implications for pilus biogenesis across the outer membrane," <i>Proc. Natl. Acad. Sci. USA</i> 95:3146-3151, National Academy Press (1998)
✓	AT	68	De Togni, P., et al., "Abnormal Development of Peripheral Lymphoid Organs in Mice Deficient in Lymphotoxin," <i>Science</i> 264:703-707, American Association for the Advancement of Science (1994)

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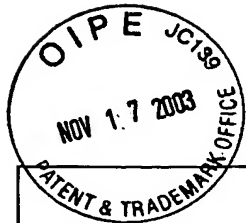
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✓	AR	<u>69</u>	Topchieva, I., and Karezin, K., "Self-Assembled Supramolecular Micellar Structures Based on Non-ionic Surfactants and Cyclodextrins," <i>J. Colloid Interface Sci.</i> 213:29-35, Academic Press (1999)
✓	AS	<u>69</u>	Twomey, T., et al., "Structure and immunogenicity of experimental foot-and-mouth disease and poliomyelitis vaccines," <i>Vaccine</i> 13:1603-1610, Elsevier Science, Ltd. (1995)
✓	AT	<u>69</u>	Ulrich, R., et al., "Core particles of hepatitis B virus as carrier for foreign epitopes," <i>Adv. Virus Res.</i> 50:141-182, Academic Press (1998)

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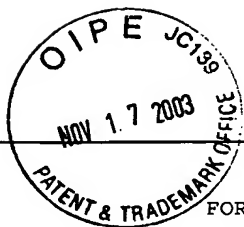
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✓	AR	<u>70</u>	Vicari, A.P., <i>et al.</i> , "Antitumor Effects of the Mouse Chemokine 6CKine/SLC Through Angiostatic and Immunological Mechanisms," <i>J. Immunol.</i> 165:1992-2000, The American Association of Immunologists (August 2000)
✓	AS	<u>70</u>	Visintin, M. <i>et al.</i> , "Selection of antibodies for intracellular function using a two-hybrid <i>in vivo</i> system," <i>Proc. Natl. Acad. Sci. USA</i> 96:11723-11728, National Academy Press (1999)
✓	AT	<u>70</u>	Walse, B., <i>et al.</i> , "Transferred nuclear Overhauser effect spectroscopy study of a peptide from the PapG pilus subunit bound by the <i>Escherichia coli</i> PapD chaperone," <i>FEBS Lett.</i> 412:115-120, Elsevier Science B.V. (1997)

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✓	AR	<u>71</u>	Warnes, A., <i>et al.</i> , "Expression of the measles virus nucleoprotein gene in <i>Escherichia coli</i> and assembly of nucleocapsid-like structures," <i>Gene</i> 160:173-178, Elsevier Science B.V. (1995)
✓	AS	<u>71</u>	Watson, E., <i>et al.</i> , "Structure determination of the intact major sialylated oligosaccharide chains of recombinant human erythropoietin expressed in Chinese hamster ovary cells," <i>Glycobiology</i> 4:227-237, Oxford University Press (1994)
✓	AT	<u>71</u>	Wei, Y.Q., <i>et al.</i> , "Immunotherapy of tumors with xenogeneic endothelial cells as a vaccine," <i>Nat. Med.</i> 6:1160-1166, Nature Publishing Company (October 2000)

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✓	AR	72	Witherell, G.W., and Uhlenbeck, O.C., "Specific RNA Binding by Q β Coat Protein," <i>Biochemistry</i> 28:71-76, American Chemical Society (1989)
✓	AS	72	Wong, C.K., et al., "Elevation of proinflammatory cytokine (IL-18, IL-17, IL-12) and Th2 cytokine (IL-4) concentrations in patients with systemic lupus erythematosus," <i>Lupus</i> 9:589-593, Macmillan Publishers Ltd. (2000)
✓	AT	72	Wu, Q., et al. "Reversal of Spontaneous Autoimmune Insulinitis in Nonobese Diabetic Mice by Soluble Lymphotoxin Receptor," <i>J. Exp. Med.</i> 193:1327-1332, The Rockefeller University Press (June 2001)

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	AR	<u>73</u>	Wuttke, M., et al., "Structural Characterization of Human Recombinant and Bone-derived Bone Sialoprotein," <i>J. Biol. Chem.</i> 276:36839-36848, The American Society for Biochemistry and Molecular Biology, Inc. (2001)
	AS	<u>73</u>	Wynne, S.A., et al., "The Crystal Structure of the Human Hepatitis B Virus Capsid," <i>Mol. Cell</i> 3:771-780, Cell Press (1999)
	AT	<u>73</u>	Xiong, C., et al., "Sindbis Virus: An Efficient, Broad Host Range Vector for Gene Expression in Animal Cells," <i>Science</i> 243:1188-1191, American Association for the Advancement of Science (1989)

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	AS	74	Yao, Z., <i>et al.</i> , "Molecular characterization of the human interleukin (IL)-17 receptor," <i>Cytokine</i> 9:794-800, Academic Press, Ltd. (1997)
	AT	74	Yone, K., <i>et al.</i> , "Epitopic Regions for Antibodies against Tumor Necrosis Factor α ," <i>J. Biol. Chem.</i> 270:19509-19515, The American Society for Biochemistry and Molecular Biology, Inc. (1995)

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✓	AT	<u>75</u>	Zhou, S., and Standring, D.N., "Cys Residues of the Hepatitis B Virus Capsid Protein Are Not Essential for the Assembly of Viral Core Particles but Can Influence Their Stability," <i>J. Virol.</i> 66:5393-5398, American Society for Microbiology (1992)

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FOREIGN PATENT DOCUMENTS

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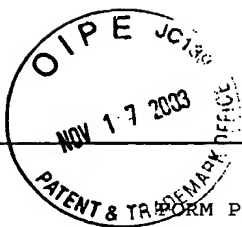
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>76</u>	Zimmermann, N., <i>et al.</i> , "Murine Eotaxin-2: A Constitutive Eosinophil Chemokine Induced by Allergen Challenge and IL-4 Overexpression," <i>J. Immunol.</i> 165:5839-5846, The American Association of Immunologists (November 2000)
	AS	<u>76</u>	Ziolkowska, M., <i>et al.</i> , "High Levels of IL-17 in Rheumatoid Arthritis Patients: IL-15 Triggers In Vitro IL-17 Production Via Cyclosporin A-Sensitive Mechanism," <i>J. Immunol.</i> 164:2832-2838, The American Association of Immunologists (March 2000)
	AT	<u>76</u>	Zuercher, A.W., <i>et al.</i> , "Oral anti-IgE immunization with epitope-displaying phage," <i>Eur. J. Immunol.</i> 30:128-135, Wiley-Vch Verlag GmbH (January 2000)

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INFORMATION DISCLOSURE STATEMENT FORM PTO-1449	ATTY. DOCKET NO. 1700.0350002/BJD/SJE	APPLICATION NO. 10/622,087
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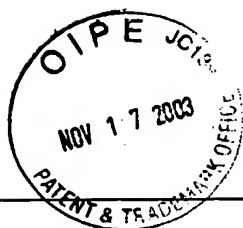
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
✓	AR	77	Fehr, T., et al., "T cell-independent type I antibody response against B cell epitopes expressed repetitively on recombinant virus particles," <i>Proc. Natl. Acad. Sci. USA</i> 95:9477-9481, National Academy Press (1998)
✓	AS	77	Frenkel, D., et al., "Generation of auto-antibodies towards Alzheimer's disease vaccination," <i>Vaccine</i> 19:2615-2619, Elsevier Science, Ltd. (March 2001)
✓	AT	77	International Search Report for International Application No. PCT/IB02/00166 mailed on October 29, 2002. European Patent Office, Netherlands (2002)

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✓	AR	<u>78</u>	International Search Report for International Application No. PCT/IB02/00168 mailed on November 4, 2002. European Patent Office, Netherlands (2002)
✓	AS	<u>78</u>	Kozlovska, T.M., <i>et al.</i> , "RNA Phage Q β Coat Protein as a Carrier for Foreign Epitopes," <i>Intervirology</i> 39:9-15, S. Karger AG (1996)
✓	AT	<u>78</u>	Kratz, P.A., <i>et al.</i> , "Native display of complete foreign protein domains on the surface of hepatitis B virus capsids," <i>Proc. Natl. Acad. Sci. USA</i> 96:1915-1920, National Academy of Sciences (1999)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	79	Nieland, J.D., et al., "Chimeric Papillomavirus Virus-like Particles Induce a Murine Self-Antigen-Specific Protective and Therapeutic Antitumor Immune Response," <i>J. Cell. Biochem.</i> 73:145-152, Wiley-Liss, Inc. (1999)
	AS	79	Slepushkin, V.A., et al., "Protection of mice against influenza A virus challenge by vaccination with baculovirus-expressed M2 protein," <i>Vaccine</i> 13:1399-1402, Elsevier Science Ltd. (1995).
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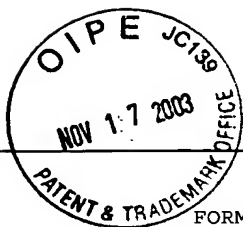
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✓	AR	<u>80</u>	International Search Report for International Application No. PCT/IB 02/00166, mailed January 31, 2003. European Patent Office, Netherlands (2002)
✓	AS	<u>80</u>	Baba, T.W., et al., "Pathogenicity of Live, Attenuated SIV After Mucosal Infection of Neonatal Macaques," <i>Science</i> 267:1820-1825, American Association for the Advancement of Science (1995)
✓	AT	<u>80</u>	Bachmann, M.F., et al., "Dendritic cells process exogenous viral proteins and virus-like particles for class I presentation to CD8 ⁺ cytotoxic T lymphocytes," <i>Eur. J. Immunol.</i> 26:2595-2600, VCH Verlagsgesellschaft mbH (1996)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>81</u>	Boorsma, M., et al., "A temperature-regulated replicon-based DNA expression system," <i>Nat. Biotechnol.</i> 18:429-432, Nature America, Inc. (April 2000)
	AS	<u>81</u>	Borisova, G., et al., "Hybrid Hepatitis B Virus Nucleocapsid Bearing an Immunodominant Region from Hepatitis B Virus Surface Antigen," <i>J. Virol.</i> 67:3696-3701, American Society for Microbiology (1993)
	AT	<u>81</u>	Cesareni, G., "Peptide display on filamentous phage capsids: A new powerful tool to study protein-ligand interaction," <i>FEBS Lett.</i> 307:66-70, Elsevier Science Publishers B.V. (1992)

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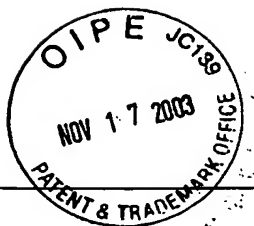
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/	AR	<u>82</u>	Connor, R.I., et al., "Immunological and Virological Analyses of Persons Infected by Human Immunodeficiency Virus Type 1 while Participating in Trials of Recombinant gp120 Subunit Vaccines," <i>J. Virol.</i> 72:1552-1576, American Society for Microbiology (1998)
/	AS	<u>82</u>	Cramer, R. and Suter, M., "Display of biologically active proteins on the surface of filamentous phages: a cDNA cloning system for selection of functional gene products linked to the genetic information responsible for their production," <i>Gene</i> 137:69-75, Elsevier Science Publishers B.V. (1993)
/	AT	<u>82</u>	Daniel, M.D., et al., "Protective Effects of a Live Attenuated SIV Vaccine with a Deletion in the <i>nef</i> Gene," <i>Science</i> 258:1938-1941, American Association for the Advancement of Science (1992)

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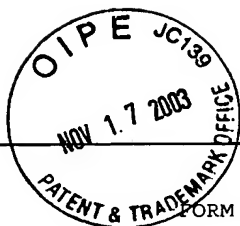
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✓	AR	83	de la Cruz, V.F., et al., "Immunogenicity and Epitope Mapping of Foreign Sequences via Genetically Engineered Filamentous Phage," <i>J. Biol. Chem.</i> 263:4318-4322, The American Society for Biochemistry and Molecular Biology, Inc. (1988)
✓	AS	83	Donnelly, J.J., et al., "DNA Vaccines," <i>Annu. Rev. Immunol.</i> 15:617-648, Annual Reviews, Inc. (1997)
✓	AT	83	Ebina, S., et al., "Chemical Modification of Bovine Pancreatic Trypsin Inhibitor for Single Site Coupling of Immunogenic Peptides for NMR Conformational Analysis," <i>J. Biol. Chem.</i> 264:7882-7888, The American Society for Biochemistry and Molecular Biology, Inc. (1989)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
✓	AR	84	Esposito, G., et al., "Conformational study of a short Pertussis toxin T cell epitope incorporated in a multiple antigen peptide template by CD and two-dimensional NMR: Analysis of the structural effects on the activity of synthetic immunogens," <i>Eur. J. Biochem.</i> 217:171-187, Blackwell Science Ltd. on behalf of the Federation of European Biochemical Societies (1993)
✓	AS	84	Förster, E., et al., "Natural and recombinant enzymatically active or inactive bee venom phospholipase A ₂ has the same potency to release histamine from basophils in patients with Hymenoptera allergy," <i>J. Allergy Clin. Immunol.</i> 95:1229-1235, Mosby-Year Book, Inc. (1995)
✓	AT	84	Frolov, I., et al., "Alphavirus-based expression vectors: Strategies and applications," <i>Proc. Natl. Acad. Sci. USA</i> 93:11371-11377, National Academy Press (1996)

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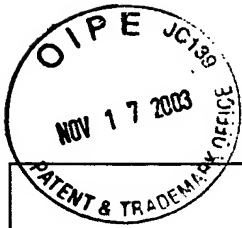
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✓	AR	85	Gilbert, S.C., et al., "A protein particle vaccine containing multiple malaria epitopes," <i>Nat. Biotechnol.</i> 15:1280-1284, Nature America Publishing (1997)
✓	AS	85	Greenstone, H.L., et al., "Chimeric paillomavirus virus-like particles elicit antitumor immunity against the E7 oncoprotein in an HPV16 tumor model," <i>Proc. Natl. Acad. Sci. USA</i> 95:1800-1805, National Academy Press (1998)
✓	AT	85	Hahn, C.S., et al., "Infectious Sindbis virus transient expression vectors for studying antigen processing and presentation," <i>Proc. Natl. Acad. Sci. USA</i> 89:2679-2683, National Academy Press (1992)

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✓	AR	<u>86</u>	Harding, C.V., and Song, R., "Phagocytic Processing of Exogenous Particulate Antigens by Macrophages for Presentation by Class I MHC Molecules," <i>J. Immunol.</i> 153:4925-4933, The American Association of Immunologists (1994)
✓	AS	<u>86</u>	Hilleman, M.R., "Six decades of vaccine development - a personal history," <i>Nat. Med. Vaccine Suppl.</i> 4:507-514 (May 1998)
✓	AT	<u>86</u>	Hui, E. K-W. et al., "Hepatitis B viral core proteins with an N-terminal extension can assemble into core-like particles but cannot be enveloped," <i>J. Gen. Virol.</i> 80:2647-2659, Society for General Microbiology (1999)

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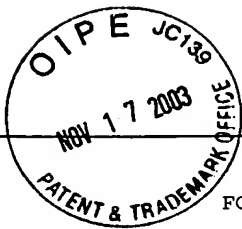
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✓	AR	<u>87</u>	Iannolo, G., et al., "Construction, Exploitation and Evolution of a New Peptide Library Displayed at High Density by Fusion to the Major Coat Protein of Filamentous Phage," <i>Biol. Chem.</i> 378:517-521, Walter de Gruyter & Co. (1997)
✓	AS	<u>87</u>	Iannolo, G., et al., "Modifying Filamentous Phage Capsid: Limits in the Size of the Major Capsid Protein," <i>J. Mol. Biol.</i> 248:835-844, Academic Press, Ltd. (1995)
✓	AT	<u>87</u>	Ikram, H., and Prince, A.M., "A method for coupling the Hepatitis B surface antigen to aldehyde-fixed erythrocytes for use in passive hemagglutination," <i>J. Virol. Methods</i> 2:269-275, Elsevier/North-Holland Biomedical Press (1981)

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✓	AR	<u>88</u>	Kovacsovics-Bankowski, M., et al., "Efficient major histocompatibility complex class I presentation of exogenous antigen upon phagocytosis by macrophages," <i>Proc. Natl. Acad. Sci. USA</i> 90:4942-4946, National Academy Press (1993)
✓	AS	<u>88</u>	Lo, K. K-W., et al., "Surface-modified mutants of cytochrome P450cam: enzymatic properties and electrochemistry," <i>FEBS Lett.</i> 451:342-346, Elsevier Science B.V. on behalf of the Federation of European Biochemical Societies (1999)
✓	AT	<u>88</u>	Minenkova, O.O., et al., "Design of specific immunogens using filamentous phage as the carrier," <i>Gene</i> 128:85-88, Elsevier Science Publishers B.V. (1993)

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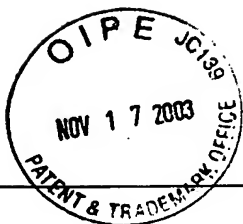
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
AR	<u>89</u>	Neurath, A.R., et al., "Hepatitis B Virus surface antigen (HBsAg) as carrier for synthetic peptides having an attached hydrophobic tail," <i>Mol. Immunol.</i> 26:53-62, Pergamon Press (1989)	
AS	<u>89</u>	Perham, R.N., et al., "Engineering a peptide epitope display system on filamentous bacteriophage," <i>FEMS Microbiol. Rev.</i> 17:25-31, Elsevier Science Publishers on behalf of the Federation of European Microbiological Societies (1995)	
AT	<u>89</u>	Petrenko, V.A., et al., "A library of organic landscapes on filamentous phage," <i>Protein Engin.</i> 9:797-801, Oxford University Press (1996)	

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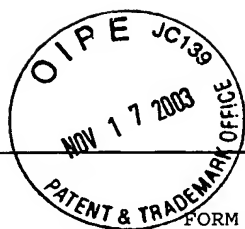
FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 1700.0350002/BJD/SJE	APPLICATION NO. 10/622,087
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U.S. PATENT DOCUMENTS							
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
✓	AR	90	Pumpens, P. and Grens, E., "Hepatitis B core particles as a universal display model: a structure-function basis for development," <i>FEBS Lett.</i> 442:1-6, Elsevier Science B.V. on behalf of the Federation of European Biochemical Societies (1999)
✓	AS	90	Quash, G., et al., "The preparation of latex particles with covalently bound polyamines IgG and measles agglutinins and their use in visual agglutination tests," <i>J. Immunol. Methods</i> 22:165-174, Elsevier/North-Holland Biomedical Press (1978)
✓	AT	90	Raychaudhuri, S., and Rock, K.L., "Fully mobilizing host defense: Building better vaccines," <i>Nat. Biotechnol.</i> 16:1025-1031, Nature America, Inc. (1998)

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✓	AR	<u>91</u>	Redfield, R.R., et al., "Disseminated vaccinia in a military recruit with Human Immunodeficiency Virus (HIV) disease," <i>N. Eng. J. Med.</i> 316:673-676, Massachusetts Medical Society (1987)
✓	AS	<u>91</u>	Rudolf, M.P., et al., Molecular Basis for Nonanaphylactogenicity of a Monoclonal Anti-IgE Antibody," <i>J. Immunol.</i> 165:813-819, The American Association of Immunologists (2000)
✓	AT	<u>91</u>	Sedlik, C., et al., "Recombinant parvovirus-like particles as an antigen carrier: A novel nonreplicative exogenous antigen to elicit protective antiviral cytotoxic T cells," <i>Proc. Natl. Acad. Sci. USA</i> 94:7503-7508, National Academy Press (1997)

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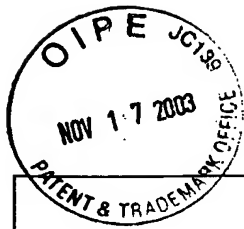
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	AR	92	Shen, L., et al., "Recombinant Virus Vaccine-Induced SIV-Specific CD8 ⁺ Cytotoxic T Lymphocytes," <i>Science</i> 252:440-443, American Association for the Advancement of Science (1991)
	AS	92	Tanimori, H., et al., "Enzyme Immunoassay of Neocarzinostatin Using β -Galactosidase as Label," <i>J. Pharm. Dyn.</i> 4:812-819, Pharmaceutical Society of Japan (1981)
	AT	92	Townsend, A., and Bodmer, H., "Antigen recognition by class I-restricted T lymphocytes," <i>Ann. Rev. Immunol.</i> 7:601-624, Annual Reviews, Inc. (1989)

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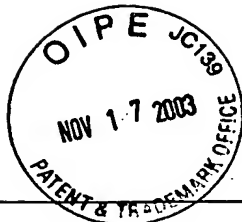
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>93</u>	VanCott, T.C., et al., "Antibodies with Specificity to Native gp120 and Neutralization Activity against Primary Human Immunodeficiency Virus Type 1 Isolates Elicited by Immunization with Oligomeric gp160," <i>J. Virol.</i> 71:4319-4330, American Society for Microbiology (1997)
	AS	<u>93</u>	Watkins, S.J., et al., "The 'adenobody' approach to viral targeting: specific and enhanced adenoviral gene delivery," <i>Gene Ther.</i> 4:1004-1012, Stockton Press (1997)
	AT	<u>93</u>	Willis, A.E., et al., "Immunological properties of foreign peptides in multiple display on a filamentous bacteriophage," <i>Gene</i> 128:79-83, Elsevier Science Publishers B.V. (1993)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>94</u>	Dialog File 351, Accession No. 9831660, Derwent WPI English language abstract for WO 94/06472 (Document AP3)
	AS	<u>94</u>	International Preliminary Examination Report for International Application No. PCT/IB99/01925, European Patent Office, Munich (August 2000) (not for publication)
	AT	<u>94</u>	International Search Report for International Application No. PCT/IB99/01925, European Patent Office, Netherlands (June 2000) (not for publication)

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✓	AR	<u>95</u>	NCBI Entrez, GenBank Report, Accession No. P03153, from Seeger, C., et al. (January 1990)
✓	AS	<u>95</u>	NCBI Entrez, GenBank Report, Accession No. X59397, from Jordan, C.T., et al. (November 1991)
✓	AT	<u>95</u>	NCBI Entrez, GenBank Report, Accession No. 711678A, from Shipolini, R.A., et al. (July 1992)

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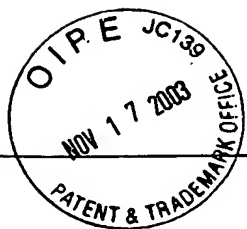
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✓	AS	96	NCBI Entrez, GenBank Report, Accession No. M20706, from Nassal M. (April 1993)
✓	AT	96	NCBI Entrez, GenBank Report, Accession No. AAA37490, from Rouvier E. (July 1993)

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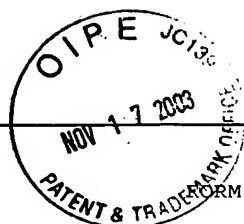
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✓	AS	97	NCBI Entrez, GenBank Report, Accession No. X00981, from Klemm, P. (September 1993)
✓	AT	97	NCBI Entrez, GenBank Report, Accession No. VCBPQB, from Maita, T., and Konigsberg, W. (December 1993)

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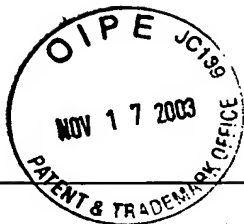
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✓	AR	98	NCBI Entrez, GenBank Report, Accession No. AAA16663, from Kozlovskaja, T.M., et al. (March 1994)
✓	AS	98	NCBI Entrez, GenBank Report, Accession No. X02514, from Yanisch-Perron, C., et al. (May 1994)
✓	AT	98	NCBI Entrez, GenBank Report, Accession No. X85256, from Lai, M.E., et al. (April 1995)

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✓	AR	<u>99</u>	NCBI Entrez, GenBank Report, Accession No. X85259, from Lai, M.E., et al., (April 1995)
✓	AS	<u>99</u>	NCBI Entrez, GenBank Report, Accession No. X85260, from Lai, M.E., et al. (April 1995)
✓	AT	<u>99</u>	NCBI Entrez, GenBank Report, Accession No. X85272, from Lai, M.E., et al. (April 1995)

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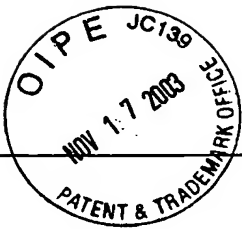
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✓	AS	<u>100</u>	NCBI Entrez, GenBank Report, Accession No. X85284, from Lai, M.E., et al. (April 1995)
✓	AT	<u>100</u>	NCBI Entrez, GenBank Report, Accession No. X85285, from Lai, M.E., et al. (April 1995)

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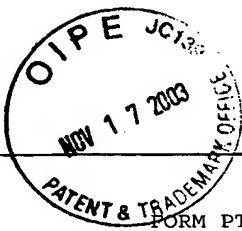
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✓	AS	<u>101</u>	NCBI Entrez, GenBank Report, Accession No. X85287, from Lai, M.E., et al. (April 1995)
✓	AT	<u>101</u>	NCBI Entrez, GenBank Report, Accession No. X85291, from Lai, M.E., et al. (April 1995)

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✓	AT	102	NCBI Entrez, GenBank Report, Accession No. X85296, from Lai, M.E., et al. (April 1995)

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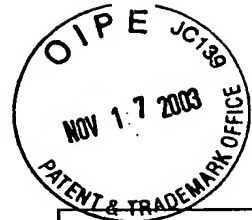
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

✓	AR	<u>104</u>	NCBI Entrez, GenBank Report, Accession No. X85301, from Lai, M.E., et al. (April 1995)
✓	AS	<u>104</u>	NCBI Entrez, GenBank Report, Accession No. X85302, from Lai, M.E., et al. (April 1995)
✓	AT	<u>104</u>	NCBI Entrez, GenBank Report, Accession No. X85303, from Lai, M.E., et al. (April 1995)

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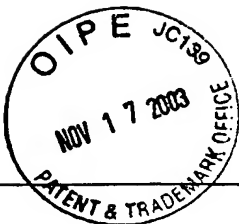
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	AM						Yes No
	AN						Yes No
	AO						Yes No
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/	AR	<u>105</u>	NCBI Entrez, GenBank Report, Accession No. X85305, from Lai, M.E., et al. (April 1995)
/	AS	<u>105</u>	NCBI Entrez, GenBank Report, Accession No. X85307, from Lai, M.E., et al. (April 1995)
/	AT	<u>105</u>	NCBI Entrez, GenBank Report, Accession No. X85311, from Lai, M.E., et al. (April 1995)

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	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

✓	AR	<u>106</u>	NCBI Entrez, GenBank Report, Accession No. X85314, from Lai, M.E., et al. (April 1995)
✓	AS	<u>106</u>	NCBI Entrez, GenBank Report, Accession No. X85315, from Lai, M.E., et al. (April 1995)
✓	AT	<u>106</u>	NCBI Entrez, GenBank Report, Accession No. X85316, from Lai, M.E., et al. (April 1995)

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">ATTY. DOCKET NO. 1700.0350002/BJD/SJE</td> <td style="width: 50%; padding: 2px;">APPLICATION NO. 10/622,087</td> </tr> <tr> <td colspan="2" style="padding: 2px;">APPLICANT BACHMANN et al.</td> </tr> <tr> <td style="padding: 2px;">FILING DATE July 18, 2003</td> <td style="padding: 2px;">GROUP 1645</td> </tr> </table>	ATTY. DOCKET NO. 1700.0350002/BJD/SJE	APPLICATION NO. 10/622,087	APPLICANT BACHMANN et al.		FILING DATE July 18, 2003	GROUP 1645
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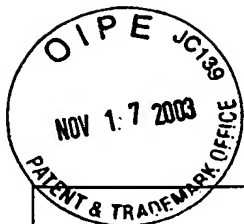
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	AM						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
/	AR	107	NCBI Entrez, GenBank Report, Accession No. X85317, from Lai, M.E., et al. (April 1995)
/	AS	107	NCBI Entrez, GenBank Report, Accession No. X85319, from Lai, M.E., et al. (April 1995)
/	AT	107	NCBI Entrez, GenBank Report, Accession No. X80925, from Karayiannis, P. (December 1995)

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	AM						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/	AR	<u>108</u>	NCBI Entrez, GenBank Report, Accession No. AAC50341, from Yao, Z., et al. (January 1996)
/	AS	<u>108</u>	NCBI Entrez, GenBank Report, Accession No. X72702, from Preisler-Adams, S., et al. (February 1996)
/	AT	<u>108</u>	NCBI Entrez, GenBank Report, Accession No. VCBPR7, from Weber, K., et al. (April 1996)

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✓	AR	<u>109</u>	NCBI Entrez, GenBank Report, Accession No. 1604193A, from Gomez, F., et al. (October 1996)
✓	AS	<u>109</u>	NCBI Entrez, GenBank Report, Accession No. B56338, from Hoffman, D.R. (May 1997)
✓	AT	<u>109</u>	NCBI Entrez, GenBank Report, Accession No. U95551, from Rao, B.S., et al. (June 1997)

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✓	AR	<u>110</u>	NCBI Entrez, GenBank Report, Accession No. S14764, from Vandermeers, A., et al. (October 1997)
✓	AS	<u>110</u>	NCBI Entrez, GenBank Report, Accession No. P03611, from Weber, K., et al. (November 1997)
✓	AT	<u>110</u>	NCBI Entrez, GenBank Report, Accession No. AAC14699, from Beekwilder, M.J., et al. (April 1998)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

✓	AR	<u>111</u>	NCBI Entrez, GenBank Report, Accession No. AAC14704, from Beekwilder, M.J., <i>et al.</i> (April 1998)
✓	AS	<u>111</u>	NCBI Entrez, GenBank Report, Accession No. AF043593, from Gunther, S., <i>et al.</i> (May 1998)
✓	AT	<u>111</u>	NCBI Entrez, GenBank Report, Accession No. 1POC, from Scott, D.L., <i>et al.</i> (September 1998)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

✓	AR	<u>112</u>	NCBI Entrez, GenBank Report, Accession No. CAA30374, from Inokuchi, Y., et al. (February 1999)
✓	AS	<u>112</u>	NCBI Entrez, GenBank Report, Accession No. X02496, from Bichko, V., et al. (April 1999)
✓	AT	<u>112</u>	NCBI Entrez, GenBank Report, Accession No. MFIV62, from Cox, N.J., et al. (July 1999)

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/	AR	<u>113</u>	NCBI Entrez, GenBank Report, Accession No. VCBPFR, from Wittmann-Liebold, B., et al. (July 1999)
/	AS	<u>113</u>	NCBI Entrez, GenBank Report, Accession No. A59055, from Hoffman, D.R., and Schmidt, J.O. (August 1999)
/	AT	<u>113</u>	NCBI Entrez, GenBank Report, Accession No. B59055, from Hoffman, D.R., and Schmidt, J.O. (August 1999)

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✓	AR	<u>114</u>	NCBI Entrez, GenBank Report, Accession No. AF051814, from Boyd, E.F., and Hartl, D.L. (September 1999)
✓	AS	<u>114</u>	NCBI Entrez, GenBank Report, Accession No. AF051815, from Boyd, E.F., and Hartl, D.L. (September 1999)
✓	AT	<u>114</u>	NCBI Entrez, GenBank Report, Accession No. AF110999, from Chang, S.F., <i>et al.</i> (October 1999)

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✓	AR	<u>115</u>	NCBI Entrez, GenBank Report, Accession No. AB033559, from Okamoto, H., <i>et al.</i> (October 1999)
✓	AS	<u>115</u>	NCBI Entrez, GenBank Report, Accession No. AB010289, from Koseki, T., <i>et al.</i> (December 1999)
✓	AT	<u>115</u>	NCBI Entrez, GenBank Report, Accession No. AJ132364, from Graupner, S., <i>et al.</i> (April 2000)

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✓	AR	<u>116</u>	NCBI Entrez, GenBank Report, Accession No. AF237482, from Johnson, J.R., <i>et al.</i> (May 2000)
✓	AS	<u>116</u>	NCBI Entrez, GenBank Report, Accession No. M32138, from Tong, S.P., <i>et al.</i> (July 2000)
✓	AT	<u>116</u>	NCBI Entrez, GenBank Report, Accession No. AF229646, from Skerker, J.M., and Shapiro, L. (August 2000)

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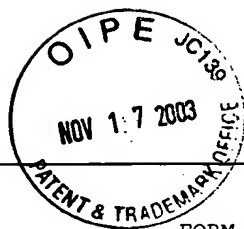
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✓	AS	<u>117</u>	NCBI Entrez, GenBank Report, Accession No. VCBPM2, from Min Jou, W., <i>et al.</i> (January 2001)
✓	AT	<u>117</u>	NCBI Entrez, GenBank Report, Accession No. AF323080, from Steppan, C.M., <i>et al.</i> (January 2001)

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/	AS	<u>118</u>	NCBI Entrez, GenBank Report, Accession No. U14003, from Plunkett, G., III, et al. (January 2001)
/	AT	<u>118</u>	NCBI Entrez, GenBank Report, Accession No. AF121239, from Hannoun, C., et al. (February 2001)

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✓	AS	<u>119</u>	NCBI Entrez, GenBank Report, Accession No. AF121242, from Hannoun, C., et al. (February 2001)
✓	AT	<u>119</u>	NCBI Entrez, GenBank Report, Accession No. X59795, from Lai, M.E., et al. (March 2001)

EXAMINER

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1700.0350002/BJD/SJEAPPLICATION NO.
10/622,087APPLICANT
BACHMANN et al.FILING DATE
July 18, 2003GROUP
1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

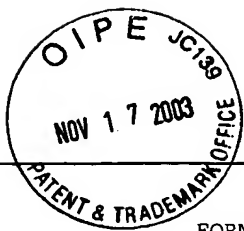
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/	AR	<u>120</u>	NCBI Entrez, GenBank Report, Accession No. X65257, from Lai, M.E., et al. (March 2001)
/	AS	<u>120</u>	NCBI Entrez, GenBank Report, Accession No. X65258, from Lai, M.E., et al. (March 2001)
/	AT	<u>120</u>	NCBI Entrez, GenBank Report, Accession No. AF151735, from Gerner, P., et al. (April 2001)

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	AN						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
/	AR	<u>121</u>	NCBI Entrez, GenBank Report, Accession No. AJ000636, from Gousset, N., et al. (November 2001)
/	AS	<u>121</u>	NCBI Entrez, GenBank Report, Accession No. AAB59424, from Kenten, J.H., et al. (February 2002)
/	AT	<u>121</u>	NCBI Entrez, GenBank Report, Accession No. AAC06250, from Beekwilder, M.J., et al. (March 2002)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
/	AR	<u>122</u>	NCBI Entrez, GenBank Report, Accession No. L09137, from Yanisch-Perron, C., <i>et al.</i> (May 2002)
/	AS	<u>122</u>	NCBI Entrez, GenBank Report, Accession No. 009006, from Hromas, R., <i>et al.</i> (June 2002)
/	AT	<u>122</u>	NCBI Entrez, GenBank Report, Accession No. P40224, from Nagasawa, T., <i>et al.</i> (June 2002)

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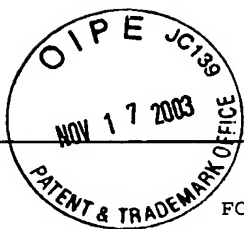
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✓	AR	<u>123</u>	NCBI Entrez, GenBank Report, Accession No. P34884, from Bernhagen, J., <i>et al.</i> (June 2002)				
✓	AS	<u>123</u>	NCBI Entrez, GenBank Report, Accession No. P06821, from Winter, G., <i>et al.</i> (June 2002)				
✓	AT	<u>123</u>	NCBI Entrez, GenBank Report, Accession No. P30904, from Sakai, M., <i>et al.</i> (June 2002)				

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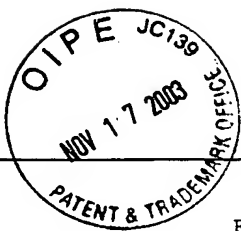
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/	AR	<u>124</u>	NCBI Entrez, GenBank Report, Accession No. NP_040754, from Inokuchi, Y., <i>et al.</i> (June 2003)
/	AS	<u>124</u>	NCBI Entrez, GenBank Report, Accession No. NP_061354, from Ishikawa, S., <i>et al.</i> (September 2003)
/	AT	<u>124</u>	NCBI Entrez, GenBank Report, Accession No. NP_031804, from Lenda, D.M., <i>et al.</i> (September 2003)

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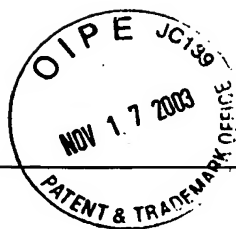
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
✓	AR	<u>125</u>	NCBI Entrez, GenBank Report, Accession No. NP_006410, from Luther, S.A., et al. (September 2003)
✓	AS	<u>125</u>	NCBI Entrez, GenBank Report, Accession No. NP_000748, from Yao, G.Q., et al. (September 2003)
✓	AT	<u>125</u>	NCBI Entrez, GenBank Report, Accession No. P03069, from Hinnebusch, A.G., et al. (September 2003)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

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/	AR	126	NCBI Entrez, GenBank Report, Accession No. 000585, from Hromas, R., et al. (September 2003)
/	AS	126	NCBI Entrez, GenBank Report, Accession No. P14174, from Weiser, W.Y., et al. (September 2003)
/	AT	126	NCBI Entrez, GenBank Report, Accession No. P48061, from Spotila, L.D., et al. (September 2003)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>127</u>	NCBI Entrez, GenBank Report, Accession No. P80003, from Vandermeers, A., et al. (September 2003)
AS	<u>127</u>	Swiss-Prot/TreMBL, TN11_Mouse, Primary Accession No. 035235, entered in Swiss-Prot in October 2001
AT	<u>127</u>	Swiss-Prot/TreMBL, TN11_Human, Primary Accession No. 014788, entered in Swiss-Prot in October 2001

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
/	AR	<u>128</u>	Copy of co-pending U.S. application 10/264,267, inventors Bachmann, M., filed October 4 , 2002 (NOT PUBLISHED)
/	AS	<u>128</u>	Copy of co-pending U.S. application 10/289,456, inventors Bachmann et al., filed November 7, 2002 (NOT PUBLISHED)
/	AT	<u>128</u>	Copy of co-pending U.S. application 10/617,876, inventors Bachmann et al., filed July 14, 2003 (NOT PUBLISHED)

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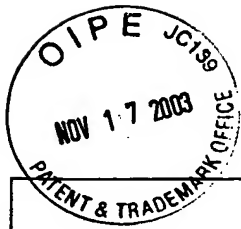
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
✓	AR	129	Copy of co-pending U.S. application 10/346,190, inventors Bachmann <i>et al.</i> , filed January 17, 2003 (NOT PUBLISHED)
✓	AS	129	Copy of co-pending U.S. application 10/622,064, inventors Bachmann <i>et al.</i> , filed July 18, 2003 (NOT PUBLISHED)
✓	AT	129	Copy of co-pending U.S. application 10/622,124, inventors Bachmann <i>et al.</i> , filed July 18, 2003 (NOT PUBLISHED)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

✓	AR	<u>130</u>	Jegerlehner, A., et al., "A molecular assembly system that renders antigens of choice highly repetitive for induction of protective B cell responses," <i>Vaccine</i> 20:3104-3112, Elsevier Science, Ltd. (August 2002)
✓	AS	<u>130</u>	<i>The Biology of Animal Viruses</i> , 2nd ed., Fenner, F., et al., eds., Academic Press, New York, NY, pp. 117-119 (1974)
✓	AT	<u>130</u>	NCBI Entrez, PubMed Abstract, PMID: 2205968, Diallo, A., et al., "Morbillivirus group: genome organization and proteins," <i>Vet. Microbiol.</i> 23:155-163 (1990)

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